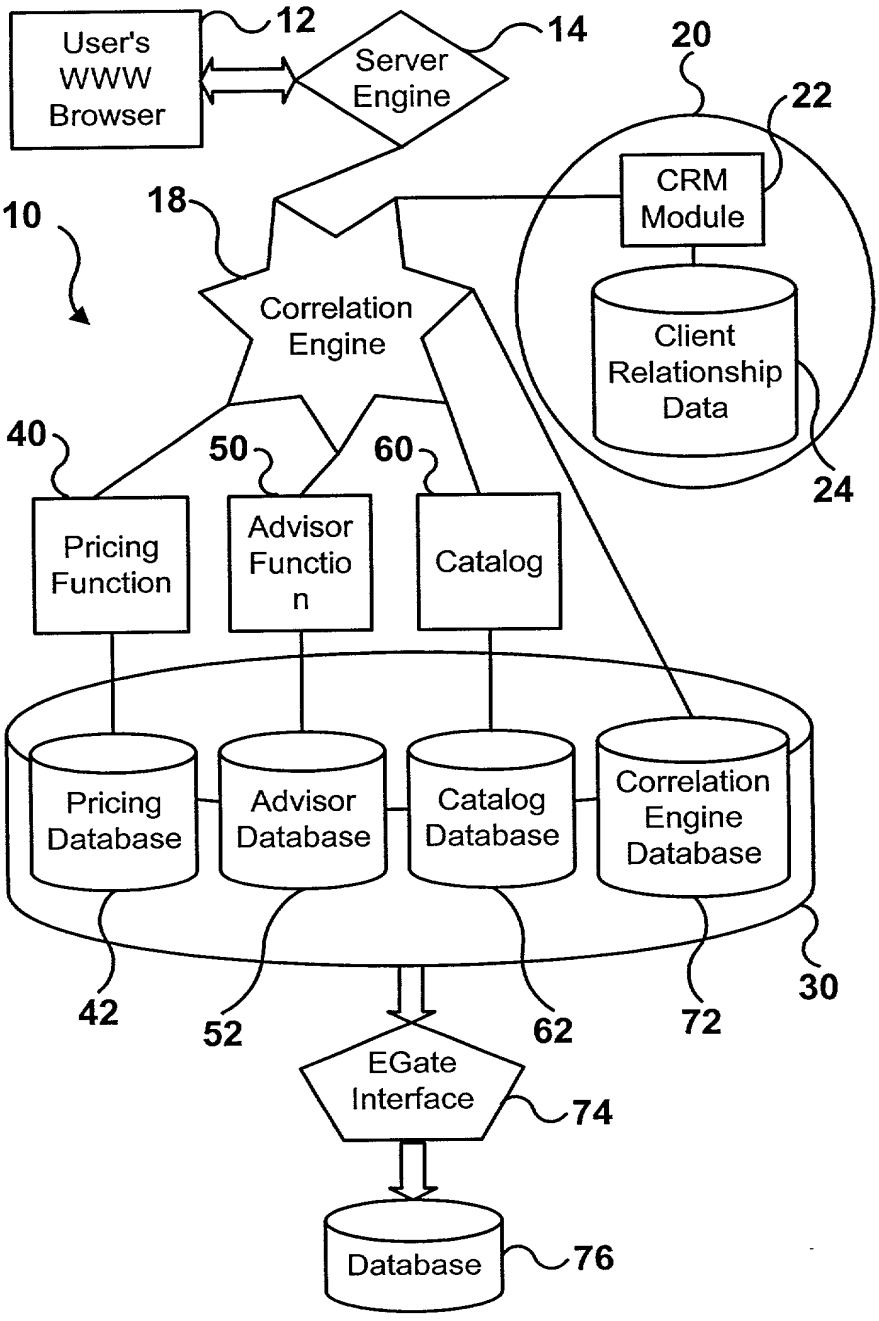
User's WWW Browser
12
Server Engine
14
20
22
CRM Module
10
18
Correlation Engine
Client Relationship Data
24
40
50
60
Pricing Function
Advisor Functio n
Catalog
Pricing Database
Advisor Database
Catalog Database
Correlation Engine Database
30
42
52
62
72
EGate Interface
74
Database
76

Figure 1

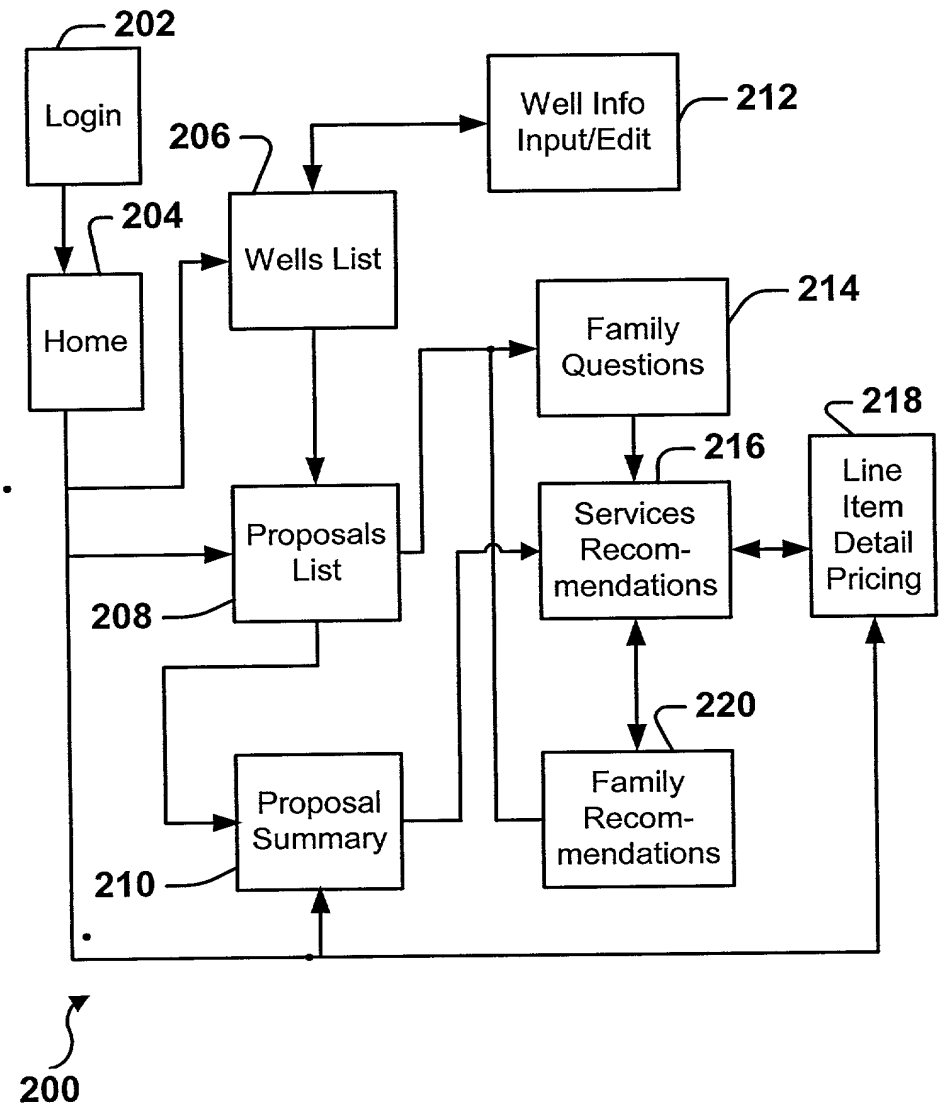
202
Login
206
Well Info Input/Edit
212
204
Wells List
Home
214
Family Questions
218
216
Line Item Detail Pricing
Proposals List
Services Recom-mendations
208
220
Proposal Summary
Family Recom-mendations
210
200

Figure 2

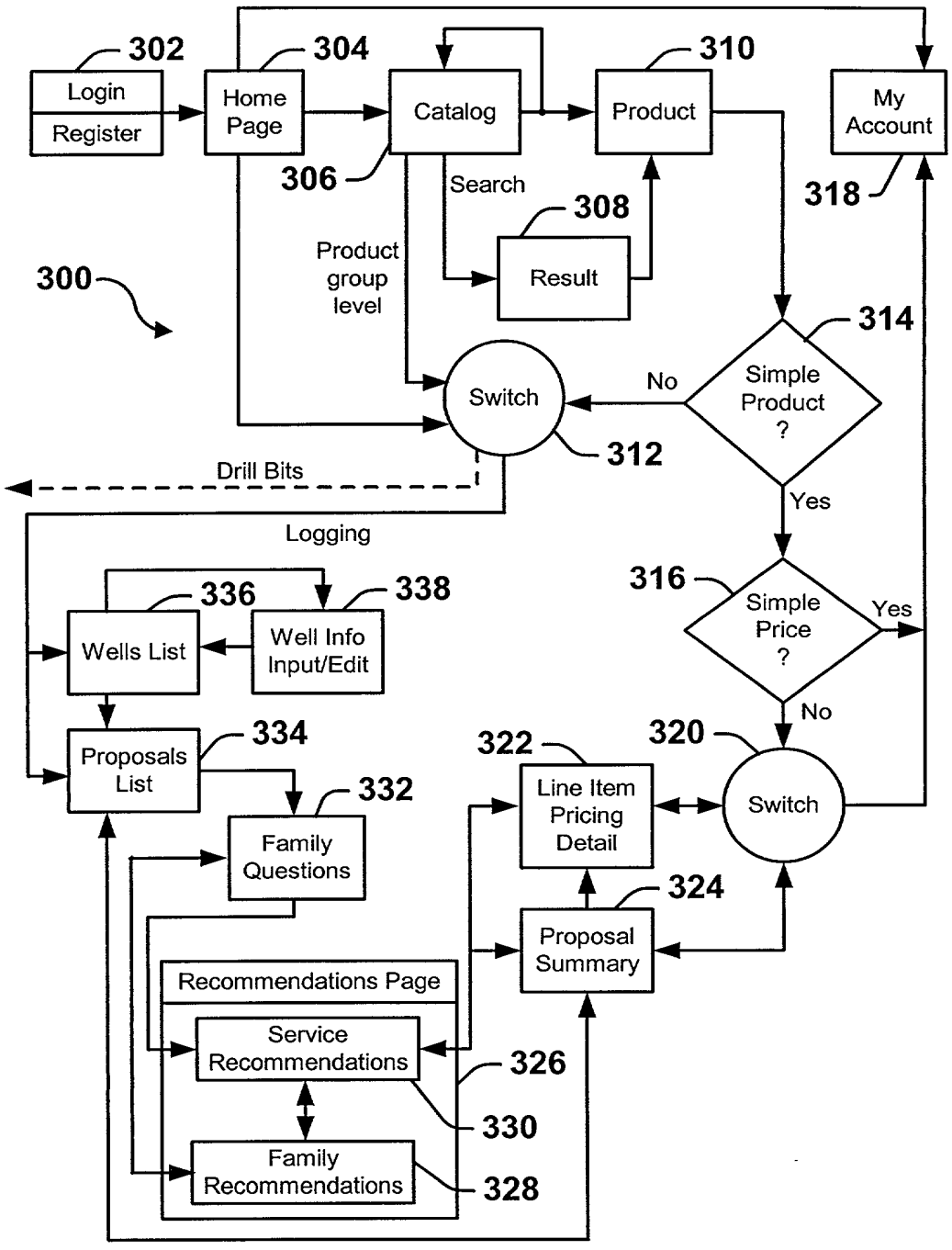
302
Login
Register
304
Home Page
306
Catalog
Search
308
Result
310
Product
My Account
318
300
Product group level
314
Simple Product ?
No
Switch
312
Drill Bits
Logging
Yes
316
Simple Price ?
Yes
No
320
336
Wells List
338
Well Info Input/Edit
334
Proposals List
332
Family Questions
322
Line Item Pricing Detail
Switch
324
Proposal Summary
Recommendations Page
Service Recommendations
326
330
Family Recommendations
328

Figure 3

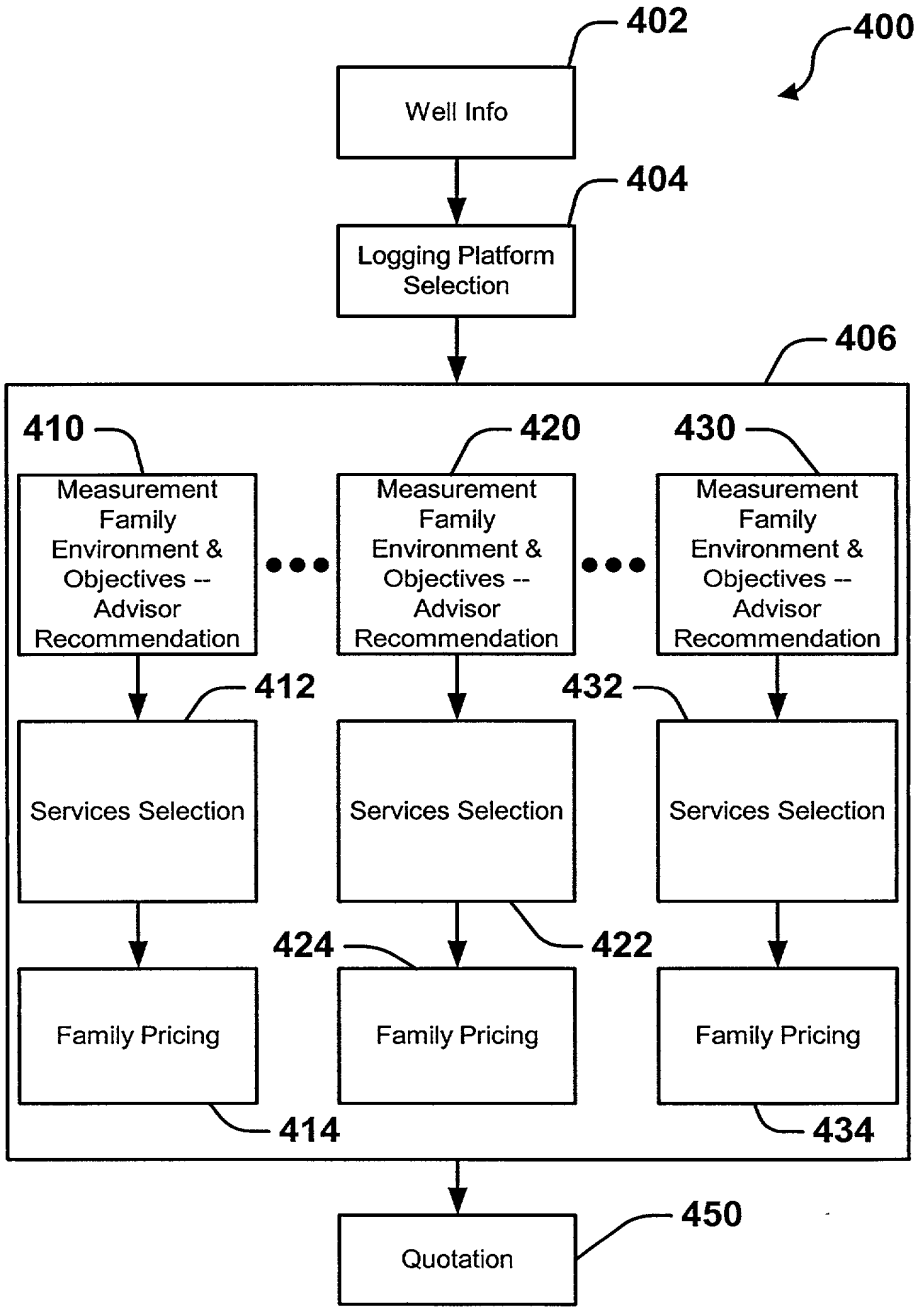
402
400
Well Info
404
Logging Platform Selection
406
410
420
430
Measurement Family Environment & Objectives -- Advisor Recommendation
Measurement Family Environment & Objectives -- Advisor Recommendation
Measurement Family Environment & Objectives -- Advisor Recommendation
412
432
Services Selection
Services Selection
Services Selection
424
422
Family Pricing
Family Pricing
Family Pricing
414
434
450
Quotation

Figure 4

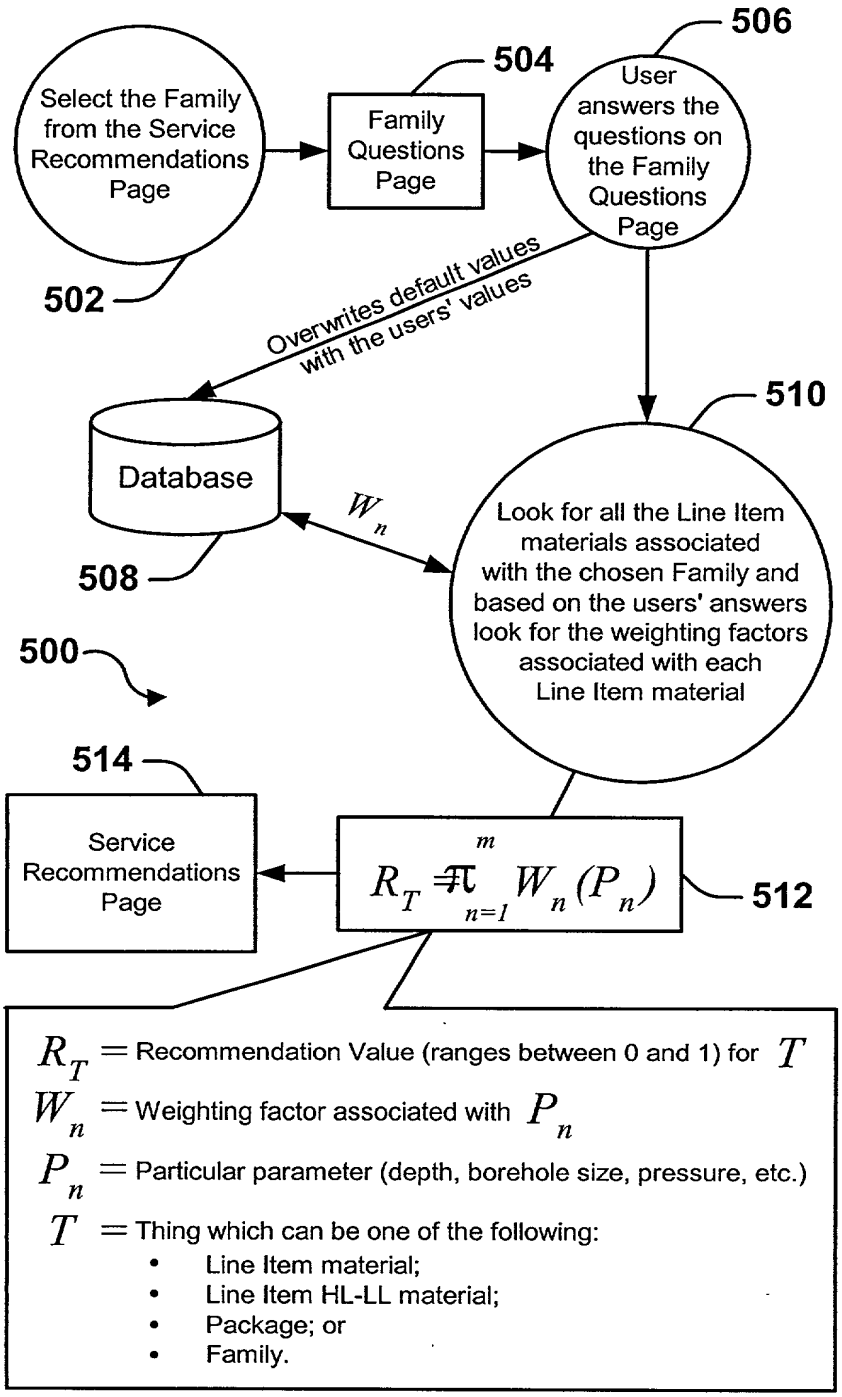
Select the Family from the Service Recommendations Page
502
Family Questions Page
504
User answers the questions on the Family Questions Page
506
Overwrites default values with the users' values
Database
508
W_n
Look for all the Line Item materials associated with the chosen Family and based on the users' answers look for the weighting factors associated with each Line Item material
510
500
Service Recommendations Page
514
$R_T = \prod_{n=1}^{m} W_n(P_n)$
512
R_T = Recommendation Value (ranges between 0 and 1) for T
W_n = Weighting factor associated with P_n
P_n = Particular parameter (depth, borehole size, pressure, etc.)
T = Thing which can be one of the following:
• Line Item material;
• Line Item HL-LL material;
• Package; or
• Family.

Figure 5